[METHOD OF MOTION DETECTION FOR 3D COMB FILTER VIDEO DECODER]

Abstract

A method of motion detection for a 3D comb filter video decoder is disclosed. In this method, a plurality of sampled data $F_m P_{x,y}$ is obtained and temporarily stored after a composite video signal is sampled, wherein $F_m P_{x,y}$ represents a sampled data of the y^{th} pixel on the x^{th} line of the m^{th} frame inside the composite video signal, and m, x, y are positive integers greater than or equal to 0. Then, $F_{m+1} P_{x,y}$, $F_m P_{x,y}$, $F_{m-1} P_{x,y}$, and $F_{m-2} P_{x,y}$ are used to determine a motion/still status of the composite video signal. Since the present invention performs the motion detection according to the composite video signal whose Y/C has not been separated yet, the present invention can accurately determine the motion level.